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SUPPORTING STRUCTURE FOR ROTATIONAL SHAFT IN FLUID MACHINE

PUB. NO.: 2002-122086 [JP 2002122086 A]

PUBLISHED: April 26, 2002 (20020426)

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APPL. NO.: 2000-314968 [JP 2000314968]

FILED: October 16, 2000 (20001016)

INTL CLASS: F04C-027/00; F04C-023/00; F04C-025/02; F16C-033/66;
 F16J-015/32

ABSTRACT

PROBLEM TO BE SOLVED: To prolong service life of a **lip seal** , mounted in parallel with a **bearing** without shortening the service life of the **bearing** in a fluid machine.

SOLUTION: The **lip seals** 45, 46 are mounted on projecting end parts 192, 202 of rotary **shafts** 19, 20, projecting to a gear accommodating room 331 through a rear housing 14. Gears 34, 35 are locked on the projecting end parts 192 and 202, and diameter-increasing bases 47, 48 are formed integrally on the gears 34, 35. Radial **bearings** 37, 38 are mounted on the projecting end parts 192, 202 via the diameter-increasing bases 47, 48.

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